

InVivoPlus anti-mouse Thy1.2 (CD90.2)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bxcell.com/terms-and-conditions/>.

Lot Specific Information

Lot Number:	Lot Specific*
Volume:	Lot Specific*
Concentration:	Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein:	Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	BP0066
Clone:	30H12
Isotype:	Rat IgG2b, κ
Recommended Isotype Control(s):	InVivoPlus rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse thymus or spleen <i>in vivo</i> ILC depletion <i>in vivo</i> T cell depletion Western blot
Reported Applications:	
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<1EU/mg (<0.001EU/ μ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μ M filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein G
Aggregation:	<5% Determined by DLS
RRID:	AB_1107682
Molecular Weight:	150 kDa

Murine Pathogen Test Results

Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative, Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus: Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative, Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative,

Description

The 30H12 monoclonal antibody reacts with mouse Thy1.2 also known as CD90.2. Thy1.2 is expressed by thymocytes and mature T lymphocytes as well as hematopoietic stem cells, neurons, epithelial cells, and fibroblasts. Thy1.2 is expressed only by certain mouse strains including C57BL/6, BALB/c, CBA, C3H, C58/, SJL, DBA, and NZB/. Thy1.2 is a 25-35 kDa GPI-anchored membrane glycoprotein and a member of the immunoglobulin superfamily. The function of Thy1.2 has not been fully elucidated but is thought to play roles in cognition, axon growth, T lymphocyte function, and apoptosis. The 30H12 monoclonal antibody has been reported to induce Ca²⁺ flux in thymocytes. This antibody is particularly useful for depletion of T lymphocytes.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at bxcell.com/faqs.

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Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit <https://bxcell.com/product/invivoplus-anti-m-thy-1-2/#references> or scan the QR code below.



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